

paper # 0927

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PTO-1449 U.S. Department of Commerce Patent And Trademark Office	ATTY. DOCKET NO. ITW 14417.70	SERIAL NO. 10/728629
SUPPLEMENTAL INFORMATION DISCLOSURE CITATION	APPLICANT Huismann et al.	
	FILED DATE December 5, 2003	GROUP 3742 1725

U.S. PATENT DOCUMENTS

EXAM. INIT.	REF	PATENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
		4,441,012	4/3/84	Risbeck et al.			
		4,780,594	10/25/88	Rothermel			
		6,008,470	12/28/99	Zhang et al.			
		6,201,216	3/13/01	Mumaw			

FOREIGN PATENT DOCUMENTS

EXAM INIT	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
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		SU	6/30/92	Union of Soviet Union				
		1,743,752A1		Germany				
		DE4204661C1		Germany				
		DE4118208A1		Germany				

OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc.)

		Direct Control Of The Material Transfr. The Controlled Shrt Circuiting (CSC) - Mig Process, G. Huismann

EXAMINER C. Shaw

DATE CONSIDERED 1/31/2006

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Sep 21, 2004

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Form PTO-1449		U.S. Department of Commerce Patent And Trademark Office		ATTY. DOCKET NO. ITW 14417.70		SERIAL NO. 10/728629	
SUPPLEMENTAL INFORMATION DISCLOSURE CITATION				APPLICANT Huisman et al.			
				FILING DATE December 5, 2003		GROUP 3742-1725	
U.S. PATENT DOCUMENTS							
EXAM. INIT.	REF	PATENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
CX		5,272,313	12/21/93	Karino et al.			
FOREIGN PATENT DOCUMENTS							
EXAM INIT	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc.)							
EXAMINER C. SHAW				DATE CONSIDERED 1/31/2006			
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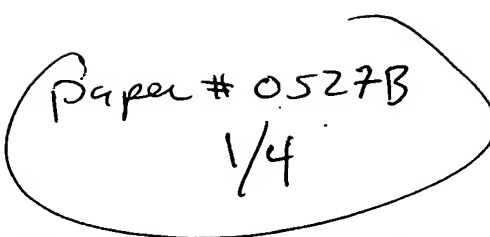
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*May 27, 2005*

*George R. Corrigan*

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SUPPLEMENTAL INFORMATION DISCLOSURE CITATION				APPLICANT Huismann et al.		GROUP 3742/725	
				FILING DATE December 5, 2003			
U.S. PATENT DOCUMENTS							
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<del>CA</del>		6,472,634	10/29/02	Houston et al			
<del>CA</del>		6,512,200	01/28/03	Norrish et al.			
<del>CA</del>		6,568,578	5/2003	Kensrue			
<del>CA</del>		6,624,388	9/23/03	Blankenship et al.			
<del>CA</del>		6,627,850	9/03	Koga et al.			
<del>CA</del>		6,831,251	12/14/04	Artelmair et al.			
FOREIGN PATENT DOCUMENTS							
EXAM INIT	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
<del>CA</del>		DE3936532A1	5/1990	Germany			
<del>CA</del>		GB2 002 667	2/28/79	Great Britain			
<del>CA</del>		EP 0320 397	6/14/89	Europe			
<del>CA</del>		JP11-226734	8/24/99	Japan			
<del>CA</del>		JP11-267839	10/5/99	Japan			
<del>CA</del>		JP60180675A	9/14/85	Japan			
<del>CA</del>		JP56-9062	1/29/56	Japan			
<del>CA</del>		JP60-108176	6/13/60	Japan			
<del>CA</del>		WO95/34400	12/21/95	PCT			
OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc.)							
EXAMINER C. SHAW				DATE CONSIDERED 1/31/2006			
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SUPPLEMENTAL INFORMATION DISCLOSURE CITATION				APPLICANT Huismann et al.				
				FILING DATE December 5, 2003		GROUP 3742 1725		
U.S. PATENT DOCUMENTS								
EXAM. INIT.	REF	PATENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE	
OK		1,563,612	12/1925	Cutler et al.				
OK		1,927,896	9/1933	Karl Miller				
OK		2,079,956	5/1937	Burgett				
OK		2,886,696	5/12/59	Tuthill et al.				
OK		3,053,975	9/1962	Nelson et al.				
OK		3,139,506	6/64	Wolff et al.				
OK		3,249,276	5/1966	VanBergen et al.				
OK		3,339,057	8/1967	Bernard et al.				
OK		3,344,305	9/1967	Ogden				
OK		3,581,053	5/1971	Manz				
OK		3,586,221	6/1971	Rosen				
OK		3,630,425	12/1971	Wilkens				
FOREIGN PATENT DOCUMENTS								
EXAM INIT	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc.)								
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SUPPLEMENTAL INFORMATION DISCLOSURE CITATION				APPLICANT Huisman et al.			
				FILING DATE December 5, 2003		GROUP 3742 1725	
U.S. PATENT DOCUMENTS							
EXAM. INIT.	REF	PATENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
CK		3,693,858	9/1972	Araya et al.			
CK		3,731,049	5/1/73	Kiyohara et al.			
CK		4,125,759	11/4/78	Kiyohara et al.			
CK		4,142,085	2/27/79	Knipstrom et al.			
CK		4,218,906	8/80	Yoshida			
CK		4,288,682	9/8/81	Toth			
CK		4,553,018	11/85	Kondo et al.			
CK		5,540,371	7/1996	Gilliland			
CK		5,643,479	7/1997	Lloyd et al.			
CK		5,973,291	10/1999	Kramer et al.			
CK		6,297,473	10/2/01	Hiraoka et al.			
CK		6,313,437	11/6/01	Soting et al.			
FOREIGN PATENT DOCUMENTS							
EXAM INIT	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc.)							
EXAMINER C. St. Hill				DATE CONSIDERED 1/31/2006			
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SUPPLEMENTAL INFORMATION DISCLOSURE CITATION				APPLICANT Huismann et al.				
				FILING DATE December 5, 2003		GROUP 1725		
U.S. PATENT DOCUMENTS								
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<input checked="" type="checkbox"/>		4,159,410	6/79	Cooper				
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<input checked="" type="checkbox"/>		DE3200421	7/83	Germany				
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<input checked="" type="checkbox"/>		GB2120692	12/83	Great Britain				
<input checked="" type="checkbox"/>		EP0313 232	4/89	Europe				
OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc.)								
<input checked="" type="checkbox"/>		Energy based synergic pulsed MIG control system, Gerd Huismann, Trends in Welding Research (2002) Pine Mountain, U.S.A.						
<input checked="" type="checkbox"/>		Advantages in using the stick out for increasing the burn off rate in gas metal arc welding. Gerd Huismann, 7 <sup>th</sup> International Symposium of Japan Welding Society (2001)						
EXAMINER C. SHAW				DATE CONSIDERED 1/31/2006				
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Form 1449		U.S. Department of Commerce Patent And Trademark Office		ATTY. DOCKET NO. ITW 14417.70		SERIAL NO. 10/728629	
SUPPLEMENTAL INFORMATION DISCLOSURE CITATION				APPLICANT Huismann et al.			
				FILING DATE December 5, 2003		GROUP 1725	
U.S. PATENT DOCUMENTS							
EXAM. INIT.	REF	PATENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
FOREIGN PATENT DOCUMENTS							
EXAM INIT	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc.)							
CA		Energy based control system for the GMA welding process, Huismann, G.					
CA		Introduction of a new MIG process Advantages and Possibilities by Gerd Huismann					
CA		Gas Metal Arc Welding for the 21 <sup>st</sup> Century, Dec. 6-8, 2000, Grosvenor Resort Hotel, Orlando, Florida, USA					
CA		Controlled Mig Short Circuiting Process For Hyperbaric Applications, Gerd Huismann					
CA		Feed Mechanisms For Micro-Arc and Vibro-Arc Metal Deposition A.M. Naidenov, People's Republic of Bulgaria, Avt. Svarka, 1968, No. 2, pp. 68-70					
EXAMINER C. SHAW				DATE CONSIDERED 1/31/2006			
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U.S. Department of Commerce Patent And Trademark Office				ATTY. DOCKET NO. ITW 14417.70		SERIAL NO. 10/728629	
SUPPLEMENTAL INFORMATION DISCLOSURE CITATION				APPLICANT Huismann et al.			
				FILING DATE December 5, 2003		GROUP 1725	
U.S. PATENT DOCUMENTS							
EXAM. INIT.	REF	PATENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
FOREIGN PATENT DOCUMENTS							
EXAM INIT	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc.)							
Ch		Mechanical Control of The Transfer Of Electrode Metal, A.M. Naidenov, People's Republic of Bulgaria, Avt. Svarka, 1969, No. 12, pp. 31-33.					
Ch		An Electrode Vibrator For Vibro-Arc Hardfacing, A.A. Spiridonov, Svar. Proiz., 1966, No. 5, pp. 40-41.					
Ch		Controlling The Arc Welding Process By Programming the Electrode Wire Feed Rate, B.E. Paton, et al., Avt. Svarka, 1977, No. 1, pp. 1-5 and p. 15.					
Ch		Calculation of the Speed of Movement of the Electrode Tip During Welding With Mechanical Control of Metal Transfer, V.P. Dmitrienko, Avt. Svarka, 1979, No. 2 pp. 7-9.					
EXAMINER C. Shaw				DATE CONSIDERED 1/31/2006			
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SUPPLEMENTAL INFORMATION DISCLOSURE CITATION				APPLICANT Huismann et al.			
				FILING DATE December 5, 2003		GROUP 1725	
U.S. PATENT DOCUMENTS							
EXAM. INIT.	REF	PATENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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EXAM INIT	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc.)							
CA		Electromagnetic Mechanisms For the Pulsed Feed of Welding Wire, N.M. Voropai, O.N. Savel'ev and S.S. Semergeev, Avt. Svarka, 1980, No. 1, pp. 46-49.					
CA		Power Calculation of the Process of Separation of an Electrode Metal Droplet Under the Effect of an External Electromagnetic Field Pulse, N.M. Tarason, Avt. Svarka, 1984, No. 6, pp 21-25.					
CA		Development of a Precision Wire Feeder For Small- Diameter Wire, Eldon D. Brandon, Abstract.					
EXAMINER C. S. HAW				DATE CONSIDERED 1/31/2004			
EXAMINER: Initial if citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant							

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SUPPLEMENTAL INFORMATION DISCLOSURE CITATION				APPLICANT Huismann et al.			
				FILING DATE December 5, 2003		GROUP 1725	
U.S. PATENT DOCUMENTS							
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<input checked="" type="checkbox"/>		4,866,247	9-12-89	Parks et al.			
<input checked="" type="checkbox"/>		4,897,523	1-30-90	Parks et al.			
<input checked="" type="checkbox"/>		4,954,691	9-4-90	Parks et al.			
<input checked="" type="checkbox"/>		4,972,064	11-20-90	Stava			
<input checked="" type="checkbox"/>		5,001,326	3-19-91	Stava			
<input checked="" type="checkbox"/>		5,003,154	3-26-91	Parks et al.			
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SUPPLEMENTAL INFORMATION DISCLOSURE CITATION		APPLICANT Huismann et al.	
		FILING DATE December 5, 2003	GROUP 1725

U.S. PATENT DOCUMENTS

EXAM. INIT.	REF	PATENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
CX		5,148,001	9-15-92	Stava	11	11	
CX		5,742,029	4-21-98	Stava et al.	11	11	
CX		5,961,863	10-5-99	Stava	11	11	
CX		6,051,810	4-18-00	Stava	11	11	
CX		6,160,241	12-12-00	Stava et al.	11	11	
CX		6,326,591	12-4-01	Hutchinson et al.	11	11	

FOREIGN PATENT DOCUMENTS

EXAM INIT	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc.)

CX		Miller® The Power of Blue Invision® 456P And Phoenix 456 CC/CV (230/460 And 575 Volt Models) February 2001
CX		Miller® The Power of Blue XR™ Control XR™ Air- And Water-Cooled Guns, March 2001

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